DISTINCTLY BETTER MOLECULAR SPECTROSCOPY SOLUTIONS

Agilent Technologies is your premier resource and partner for molecular spectroscopy. With the addition of the world-renowned Cary product line, encompassing UV-Vis-NIR, FTIR and Fluorescence, Agilent offers you a comprehensive range of molecular spectroscopy solutions.

The Measure of Confidence

Agilent Technologies

WHERE PERFORMANCE MEETS PRECISION

UV-Vis-NIR: Unmatched performance driven by innovative optical design

FTIR: The world's most sensitive FTIR with highest spectral resolution

FTIR Imaging: The industry's fastest FTIR imaging with largest field of view

Fluorescence: Unique Xenon flash lamp technology delivers superior sensitivity with fiber optics

UV-VIS-NIR

With a proven record of optical design excellence and innovation, Agilent UV-Vis-NIR systems ensure you get the right answer every time.

- Agilent 8453 photodiode array captures the complete UV-Vis spectrum (190–1100 nm) in less than one second.
- Agilent Cary 60 with unique xenon flash lamp technology is the world's fastest scanning UV-Vis. With an exceptionally long lifetime of 3 billion flashes, the lamp typically lasts 10 years.
- Agilent Cary 100 double beam UV-Vis has a working range past 3.5 Abs, and is ideal for routine and research laboratory work.
- Agilent Cary 300 double beam UV-Vis, with a working range past 6.0 Abs and resolution better than 0.24 nm, is ideal for the analysis of highly turbid biological samples or highly absorbing solid materials.
- Agilent Cary 4000 sets the standard for photometric noise, range and linearity, providing excellent resolution across the UV-Visible spectrum.
- Agilent Cary 5000 combines PbSmart detector technology with the unparalleled optical design and performance of all Cary UV-Vis-NIR instruments.
- Agilent Cary 6000i with a high-performance InGaAs detector is optimized for the shortwave NIR, delivering superior resolution in the 1200–1800 nm region. No instrument can match the NIR performance of the Cary 6000i.

FTIR

The Agilent FTIR range is unrivaled, sensitive and flexible. From bench-top instruments offering the highest spectral resolution and signal-to-noise (S/N) performance to dedicated portable analyzers, there is an instrument to suit every need.

- Agilent Cary 640 FTIR provides high flexibility, and is suitable for routine and research applications.
- Agilent Cary 660 FTIR is a high-performance spectrometer suitable for routine and research analysis. A full upgrade path to the Cary 670 or Cary 680 FTIR ensures you are prepared for future challenges.
- Agilent Cary 670 and Cary 680 FTIR are designed to provide the highest performance for researchers in fields such as polymers/materials and chemicals.
- Agilent's new range of compact, portable and handheld FTIR analyzers for biodiesel, specialty chemicals and materials testing, simplify your workflow.

FTIR IMAGING

With the industry's largest field of view, unique field expanding optics, and the highest spatial resolution, Agilent FTIR Imaging systems analyze samples in seconds without compromise.

- Agilent Cary 610 microscope is a single element detector FTIR microscope ideal for characterizing small and heterogeneous samples.
- Agilent Cary 620 microscope extends microscopy to true Focal Plane Array (FPA[1]) imaging, enabling you to collect hundreds to thousands of spectra simultaneously.

FLUORESCENCE

Agilent fluorescence spectrometers are sensitive, accurate and flexible, and are designed to meet current and future application requirements.

- Agilent Cary Eclipse with unique xenon flash lamp technology delivers superior sensitivity with fiber optics. Combined with a wide range of options including polarization, temperature control and a microplate reader, the Cary Eclipse is the ideal workhorse for all your analytical needs.

Trust Agilent to keep your lab running at peak productivity

Agilent's Advantage Service protects your investment in Agilent instruments and connects you with our global network of experienced professionals who can help you get the highest performance from every system in your lab. Count on us for the services you need at every stage of your instrument's lifecycle – from installation and upgrade to operation, maintenance and repair.

And if ever your Agilent instrument requires service while covered by an Agilent service agreement, we guarantee repair or we will replace your instrument for free. No other manufacturer or service provider offers this level of commitment.

Further information

For full details of the Agilent Cary range of molecular spectroscopy products, ask for a brochure or visit our web site at www.agilent.com/chem/molecularspec/

8453 UV-Vis Spectrophotometer
Publication number 5989-8680EN

Cary 60 UV-Vis Spectrophotometer
Publication number 5990-7789EN

Cary 100/300 Series Spectrophotometers
Publication Number 5990-7785EN

Cary 4000/5000/6000i UV-Vis-NIR Spectrophotometers
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Cary 600 Series FTIR Spectrometers
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5500 Series FTIR Spectrometers
Publication number 5990-8094EN

4100 ExoScan FTIR Spectrometer
Publication number 5990-8097EN

Cary Eclipse Fluorescence Spectrophotometer
Publication number 5990-7788EN

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